

To: Raj.Dutt@WestonSolutions.com[Raj.Dutt@WestonSolutions.com]; McComb, Martin[McComb.Martin@epa.gov]; Delgado, Eric[Delgado.Eric@epa.gov]; Kudarauskas, Paul[Kudarauskas.Paul@epa.gov]
From: Thomas, Mark J.
Sent: Wed 8/12/2015 3:36:33 PM
Subject: RE: 1700 -- ASPECT Update -- 11 August 2015

Raj,

There is indeed a UTM issue with the images. We checked the jpeg2000 and since everything is stuffed in the headers, it works fine. The problem is they are huge and it will take forever to get you data.

The easiest thing will be for use to split the jpeg data as you suggested by UTM. We will start working this for flight 5 and move forward.

I'm sure you know this but we send a prj file with each jpeg. This "prj" file contains the exact project used for the photos. In addition, we supply a "txt" file which contains a text representation of the information inside the "prj" file.

We will start working this immediately.

Mark Thomas, PhD

ASPECT Program Manager

Field Operations Branch

CBRN Consequence Management Advisory Division

EPA Office of Emergency Management

300 Minnesota Ave

Kansas City, KS 66101

Office: 913-551-5018

Cell: 513-675-4753

From: Dutt, Rajendra (Raj) [mailto:Raj.Dutt@westonsolutions.com]

Sent: Tuesday, August 11, 2015 7:29 PM

To: Thomas, Mark J.

Subject: RE: 1700 -- ASPECT Update -- 11 August 2015

Mark,

There are problem area with flight 5 too. See attached image.

Please confirm if these photo should be removed or adjusted.

Thanks

Raj Dutt, GISP

IT Technical Manager

Weston Solutions, Inc.

972-743-5690 (Cell)

469-666-5530 (Office)

From: Dutt, Rajendra (Raj)

Sent: Tuesday, August 11, 2015 7:10 PM

To: 'Thomas, Mark J.'

Subject: RE: 1700 -- ASPECT Update -- 11 August 2015

Importance: High

Mark,

I just downloaded processed photos, and see problems in photos from Flight 6 and 8.

Some photos from these flights are showing up in OK panhandle area.

See attached image.

I will hold back from publishing photos till I hear from you.

Thanks

Raj Dutt, GISP

IT Technical Manager

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From: Thomas, Mark J. [<mailto:Thomas.Markj@epa.gov>]

Sent: Tuesday, August 11, 2015 6:15 PM

To: Dutt, Rajendra (Raj); Bruce, Ian; McClain-Vanderpool, Lisa; Cardarelli, John; Curry, Tim; Kudarauskas, Paul; Kroutil, Robert; Lucotch, John; Myers, Craig; Nattis, Randy; Martin, John; McComb, Martin; Latham (Polinko), Janine; Loesel, Matthew

Subject: 1700 -- ASPECT Update -- 11 August 2015

ASPECT did not fly today due to poor weather over the collection areas. Time was spent getting caught up on all imagery. All imagery has been uploaded.

Flight 8 shows good examples of color attenuation along all parts of the Animas river. Due to shadows, portions of the canyons north of Durango are too dark to see water color locations up and down stream of the canyon both show good recovery. This set of data was processed twice. A stretch was applied to the canyon frames and normal balance was applied to everything else in an attempt to balance out the level.

Weather for Wednesday looks poor in the early morning but grades to favorable as the day progresses. The team will monitor the weather and adjust accordingly.

The proposed mission profile for 12 August 2015 will consist of:

1. Reduced coverage photographic collection along the San Juan from Bluff, UT to Farmington, NM. Frames will be collected at a rate of 4/5 frames per 4 river miles. Pending weather, this location will be collected first since it is less affected by sun angle.
2. A photographic survey will be conducted from Farmington to the mine. Again, pending weather, this portion of the mission will be timed to occur between 1030 and 1330 (local) to get the best sun angle in the canyon section of the Animas. If a late afternoon flight is conducted, attention will be given to the Durango to Canyon section and the Silverton to mine section.

The latest version of the Summary of ASPECT Flights is attached.

Please let me know if you have any questions.

Mark Thomas, PhD

ASPECT Program Manager

Field Operations Branch

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